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Listing of the Claims:

1.   (currently amended): A computer-readable medium having computer-executable instructions, comprising,

receiving a document having an element thereon, the document including information associating the element with an external component that is encapsulated and external to the document such that multiple instances of the external component may be used simultaneously with a plurality of different documents including the document having the element thereon;

rendering a page image corresponding to at least part of the document, the page image including a representation of the element; and

accessing the external component for determining a behavior of the representation of the element rendered on the page image.

2.   (previously presented): The computer-readable medium of claim 1 further comprising, receiving an event, and wherein accessing the external component is performed in response to the event.

3.   (previously presented): The computer-readable medium of claim 1 further comprising, modifying an appearance of the representation of the element in response to accessing the external component.

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4.   (original): The computer-readable medium of claim 1 further comprising, changing a location of the representation of the element in response to accessing the external component.

5.   (original): The computer-readable medium of claim 1 further comprising, drawing information on the page image in response to accessing the external component.

6.   (original): The computer-readable medium of claim 1 wherein the external component comprises an object, and wherein accessing the external component includes instantiating an instance of the object.

7.   (previously presented): The computer-readable medium of claim 1 further comprising, receiving a new document having another element thereon, the new document including information associating the other element with the external component, rendering a new page image corresponding to at least part of the document, the new page image including a representation of the other element, and accessing the external component for determining a behavior of the representation of the other element rendered on the new page image.

8.   (original): The computer-readable medium of claim 7 wherein the external component comprises a COM object, and wherein accessing the external

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component for determining a behavior of the representation of the other element

includes accessing another instance of the object.

9.   (original): The computer-readable medium of claim 1 wherein the

information associating the element with the external component is maintained in a

cascading style sheet.

10.   (original): The computer-readable medium of claim 1 wherein the

information associating the element with the external component is maintained in a

custom tag.

11.   (original): The computer-readable medium of claim 1 wherein the

information associating the element with the external component is maintained in a

class.

12.   (original): The computer-readable medium of claim 1 wherein the

information associating the element with the external component is maintained in

the document inline with the element.

13.   (original): The computer-readable medium of claim 1 wherein the

document includes another element having a representation thereof rendered in

the page image, the document includes other information associating the other

element with the external component, and further comprising, accessing the

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external component for determining a behavior of the representation of the other

element.

14.   (previously presented): The computer-readable medium of claim 1

wherein the document includes information associating the element with a second

external component, and further comprising, accessing the second external

component for determining a behavior of the representation of the element.

15.   (original): The computer-readable medium of claim 14 further

comprising, resolving a conflict between the behavior determined by the external

component and the behavior determined by the second external component.

16.   (original): The computer-readable medium of claim 1 further

comprising, downloading the external component.

17.   (currently amended): A method of providing dynamic effects to an

HTML document, comprising,

encapsulating code in an external component that may simultaneously affect

the a behavior of one or more elements, including elements of different

documents,;

inserting an element into a document,;

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attaching a reference in the document to associate the element with <u>an</u>

<u>instance of</u> the external component, <u>such that another instance of the element may</u>

<u>be referenced by a different document;</u> and

providing the document to a renderer.

18.   (original): The method of claim 17 further comprising, providing the

external component to the renderer.

19.   (original): The method of claim 17 further comprising, rendering a

page image from the document, accessing the external component, and modifying

a representation of the element based on the code in the external component.

20.   (original): The method of claim 19 wherein the external component is

a COM object, and wherein accessing the external component includes calling an

interface of the COM object.

21.   (original): The method of claim 19 wherein modifying a

representation of the element includes changing the appearance thereof.

22.   (original): The method of claim 19 wherein modifying a

representation of the element includes changing the location thereof.

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23.   (original): The method of claim 17 further comprising, rendering a page image from the document, accessing the external component, and drawing information in the image based on the code in the external component.

24.   (original): The method of claim 23 wherein rendering a page image from the document is interleaved with drawing information in the image.

25.   (original): The method of claim 17 further comprising receiving an event indicative of user interaction with the image.

26.   (original): The computer-readable medium of claim 17 wherein the reference associating the element with the external component is maintained in a cascading style sheet.

27.   (original): The computer-readable medium of claim 17 wherein the reference associating the element with the external component is maintained in a custom tag.

28.   (original): The computer-readable medium of claim 17 wherein the information associating the element with the external component is maintained in a class identifier.

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29.   (original): The computer-readable medium of claim 17 wherein the reference associating the element with the external component is maintained inline with the element in the document.

30.   (currently amended): In a computer system, a system for rendering page images on a display, comprising:

an external component encapsulating code for modifying ~~the~~ a behavior of one or more elements, the external component <u>operable to be instantiated multiple times and</u> operable to ~~simultaneously~~ modify elements in a plurality of different documents; and

a renderer connected to the display for rendering page images, the renderer receiving a document having an element specified therein and information associating the element with the external component, the renderer rendering a page image corresponding to the document and accessing the external component for modifying the page image.

31.   (original): The system of claim 30 further comprising a mechanism for receiving an event.

32.   (original): The system of claim 30 wherein the renderer displays a representation of the element and modifies a behavior of the element by accessing the external component.

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33.   (original): The system of claim 32 wherein the behavior is modified

by changing a displayed property of the representation of the element.

34.   (original): The system of claim 32 wherein the behavior is modified

by changing a displayed location of the representation of the element.

35.   (original): The system of claim 30 wherein the renderer modifies the

page image by accessing the external component, and the external component

draws information on the page image.

36.   (previously presented): The system of claim 35 wherein the renderer

calls the external component a plurality of times to draw information on the page

image, and the renderer draws information on the page image between at least

some of calls to the external component.

37.   (original): The system of claim 30 wherein the external component

comprises an object, and wherein the renderer instantiates an instance of the

object.

38.   (original): The system of claim 30 wherein the external component

comprises an object, and wherein the renderer communicates with the object

through an interface.

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39.   (original): The system of claim 30 wherein the renderer receives a

new document having another element thereon that references the external

component.

40.   (original): The system of claim 30 wherein the information

associating the element with the external component is maintained in a cascading

style sheet.

41.   (original): The system of claim 40 wherein the cascading style sheet

is embedded in the document.

42.   (original): The system of claim 40 wherein the cascading style sheet

is linked to the document.

43.   (original): The system of claim 30 including a custom tag for

associating the element with the external component.

44.   (original): The system of claim 30 wherein the information

associating the element with the external component is maintained in the document

inline with the element.

45.   (original): The system of claim 30 wherein the document includes

another element and information associating the other element with the external

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component, and wherein the renderer accesses the external component for

determining a behavior of the representation of the other element.

     46.   (original): The system of claim 30 wherein the document includes

information associating the element with a second external component.

     47.   (original): The system of claim 30 wherein the renderer accesses the

external component to control the format of data input by a user.

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